## What is claimed is:

1. A device for counting fine particles comprising,

a transparent lower substrate having fine lattice patterns for counting the fine

5 particles formed on an upper surface thereof; and a transparent upper substrate stacked
on the lower substrate, wherein the upper substrate comprises a fill chamber having a
predetermined height from a bottom surface of the upper substrate and forming a
space for filling a sample including the fine particles on the fine lattice patterns and an
injecting hole for the sample communicated with the fill chamber.

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- 2. The device according to claim 1, wherein the upper substrate further comprises a discharge hole communicated with the fill chamber for discharging the sample or an air bubble from the fill chamber.
- 3. The device according to claim 1, wherein the upper and lower substrates are bonded and thus form an integrated body.
- 4. The device according to claim 3, wherein the upper and lower substrates are bonded by a heating, an adhesive, a coating, a pressurization, a vibration or an ultrasonic bonding.
  - 5. The device according to claim 1, wherein the fill chamber is formed with a height of 50~200  $\mu m$ .

6. The device according to claim 1, wherein an area of the fill chamber in the upper and lower substrates is transparent and the fine lattice patterns are formed in a predetermined place of the area in which the fill chamber is formed on the lower substrate.

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- 7. The device according to claim 1, wherein an indicative member is formed on the upper substrate for indicating a position of the fine lattice patterns.
- 8. The device according to claim 1, wherein the upper or lower substrate is 10 made of plastics.
  - 9. The device according to claim 1, wherein the fine particles are blood cells or bacteria.
- 15 10. A manufacturing method of a device for counting fine particles comprising steps of;

forming fine lattice patterns on a predetermined place of a lower substrate;

forming a fill chamber having a predetermined height for filling a sample including the fine particles, an injecting hole and a discharge hole communicated with the fill chamber in an upper substrate; and

bonding the upper and lower substrates.